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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,574	04/14/2004	Shikio Yoshida	2936-0216PUS1	4815
2292 7590 08/13/2007 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			EXAMINER LU, ZHIYU	
			ART UNIT 2618	PAPER NUMBER
			NOTIFICATION DATE 08/13/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/823,574	Applicant(s) YOSHIDA ET AL.	
	Examiner Zhiyu Lu	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/14/2007 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 2-11 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-3, 6 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Honore (US Patent#5551065) in view of Baranowski et al. (US Patent#6658267).

Regarding claim 2, Honore teaches a wireless reception card supporting apparatus comprising:

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a mount (inherent) on which a wireless reception card is mounted (210 of Fig. 1b),
said wireless reception card comprises a pole-shaped antenna (215 of Fig. 1b) having a longitudinal axis along its length, a main face that is the surface of the card with the largest area, and a reception that is connected to the pole-shaped antenna, wherein the longitudinal axis of the pole-shaped antenna is substantially parallel to the main face of the wireless reception card in a normal use state (210 of Fig. 1b), and

wherein, when the wireless reception card is mounted on the mount, the pole-shaped antenna of the wireless reception card is set upright substantially in a vertical direction in the normal use state (Fig. 1b, column 3 line 51 to column 4 line 44).

But, Honore does not expressly disclose the card is capable of wireless transmission as well.

Baranowski et al. teach integrating a wireless telephone transceiver with a radio receiver (column 2 lines 13-63).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate wireless telephone transceiver taught by Baranowski et al. into the wireless card supporting apparatus of Honore, in order to support telephony.

Regarding claim 9, Honore teaches a wireless network terminal comprising:

a wireless reception card (210 of Fig. 1b);

a headset (205 of Fig. 1b); and

an electric appliance (105 of Fig. 1a),

said wireless reception card comprises a pole-shaped antenna (215 of Fig. 1b) having a longitudinal axis along its length, a main face that is the surface of the card with the largest area,

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and a transmitter/receiver that is connected to the pole-shaped antenna, wherein the longitudinal axis of the pole-shaped antenna is substantially parallel to the main face of the wireless reception card in a normal use state (Figs. 1a-1b), and

said headset includes a mount on which the wireless reception card is mounted (inherent), the pole-shaped antenna of the wireless reception card being set upright substantially in a vertical direction in the normal use state when the wireless reception card is mounted on the mount (Fig. 1b, column 3 line 51 to column 4 line 44),

wherein the headset and the electric appliance have communication interface compatible with each other (300 of Figs. 1a-1b).

But, Honore does not expressly disclose the card is capable of wireless transmission as well.

Baranowski et al. teach integrating a wireless telephone transceiver with a radio receiver (column 2 lines 13-63).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate wireless telephone transceiver taught by Baranowski et al. into the wireless card supporting apparatus of Honore, in order to support telephony.

Regarding claim 3, Honore and Baranowski et al. teach the limitation of claim 2.

Honore teaches wherein the wireless transmission/reception card supporting apparatus is a headset (205 of Fig. 1b).

Regarding claim 6, Honore and Baranowski et al. teach the limitation of claim 2.

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Honore teaches wherein the wireless transmission/reception card supporting apparatus is an electric appliance (headset, Fig. 1b).

4. Claims 4, 7 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Honore (US Patent#5551065) in view of Baranowski et al. (US Patent#6658267) and Rydbeck (US Patent#5590416).

Regarding claims 4, 7 and 10, Honore and Baranowski et al. teach the limitations of claims 3, 6 and 9.

But, Honore and Baranowski et al. do not expressly disclose the mount is rotatable.

Rydbeck teaches a rotatable mount for an antenna (column 2 lines 28-39).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the mount of the receiver unit of Honore and Baranowski et al. into rotatable taught by Rydbeck, in order to provide mechanical adjustment to achieve effective signal reception.

5. Claims 5, 8 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Honore (US Patent#5551065) in view of Baranowski et al. (US Patent#6658267) and Maki (US Patent#5884199).

Regarding claims 5, 8 and 11, Honore and Baranowski et al. teach the limitations of claims 3, 6 and 9.

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Honore teaches wherein said headset includes a pair of earpieces (220 of Fig. 1b), a bridge that couples together the earpieces in such a way as to bridge over a head of a user in the normal use state (240 of Fig. 1b).

But, Honore and Baranowski et al. do not expressly disclose a patch antenna arranged in the bridge.

Maki teaches a patch antenna arranged in the bridge of a wireless headset (3 of Fig. 2, column 3 lines 28-36).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate patch antenna on the bridge of wireless headset taught by Maki into the wireless headset of Honore and Baranowski et al., in order to achieve line of sight communication efficiency.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zhiyu Lu whose telephone number is (571) 272-2837. The examiner can normally be reached on Weekdays: 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Zhiyu Lu
July 10, 2007


NAY MAUNG

SUPERVISORY PATENT EXAMINER